

## Nuclei transformations in electric discharge conditions

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### Abstract

The products obtained through a low-energy electric discharge between carbon electrodes in glycerin's water solution are investigated by means of Mass Spectrometry, Raster Electronic Microscopy, and X-ray Fluorescence Analysis. The residue formed during experiment is found to possess chemical composition differing from the initial components by its chemistry and macrostructure. The mechanism and the catalyst of a lowenergy nuclear transformation course are discussed.

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### Keywords

Electric discharge, Liquid, Low-temperature plasma, Magnetic field, Transformation of chemical elements